To: CN=Jose Zambrana/OU=DC/O=USEPA/C=US@EPA;CN=Ramona

Trovato/OU=DC/O=USEPA/C=US@EPA[]; N=Ramona Trovato/OU=DC/O=USEPA/C=US@EPA[]

Cc: CN=Cynthia Sonich-Mullin/OU=CI/O=USEPA/C=US@EPA[]

From: CN=Kelly Smith/OU=ADA/O=USEPA/C=US

Sent: Tue 10/23/2012 10:27:35 PM

Subject: well installation

Attached is the reference materials for the well installation.

Document File Page Screen Casing

EPA QAPP Pavillion QAPPv0.pDF 12 Determine well screen materials to ensure a minimum internal diameter of 4 inches. Determine casing materials to ensure a minimum internal diameter of 4 inches.

Shaw QAPP MW Installation Workplan for Drilling.pdf MWIWP Worksheet #14

page 1 of 3 4" ID threaded stainless steel

4" steel riser

Shaw Workplan Attachment_1_Monitoring_Well_Installation_Narrative 3-10 5"ID threaded stainless steel

5" ID flush-threaded steel casing or Schedule 80 PVC

Draft Report EPA_ReportOnPavillion_Dec-8-2011 9-10, schematic Stainless steel 4" stainless steel

Well Standards Attachment_1_Monitoring_Well_Installation_Narrative 6 Section 67 (a)(i)(III)

Page 12 Factory screen casing is recommended for the perforated section of the well. Allows for ASTM A53

Kelly A. Smith

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